

DATE

AIRFRAME
TIME
IN
SERVICE

AVIONICS
TIME
IN
SERVICE

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

| | | | |
|----------------|---------------|---------------------|-------------|
| WO # 24584 | Hobbs: 1065.3 | Aircraft TT: 1065.3 | |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | Model: SR22 |

1. Upgrade EXP5000, SN 20065118 to software version 8.0.2 P/N 530-00214-002 Rev 02 as per Avidyne Service Bulletin 601-00006-103 Rev 02, dated July 19, 2010
2. Perform ADU calibration procedure IAW PFD Install Manual P/N 600-00141-001 Rev 4 as advised by Avidyne Tech Support.

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: Charles Reiter

Date: 10/08/2010

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

| | | | |
|----------------|---------------|---------------------|-------------|
| WO # 24584 | Hobbs: 1065.3 | Aircraft TT: 1065.3 | |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | Model: SR22 |

1. Upgrade existing Stec System 55X Autopilot to Avidyne Corporation DFC90 Autopilot as per Avidyne Corporation Master Document List, Document AVDFC-019, Rev 02, dated 07/15/2010 as called out in STC SA00296BO issued to Avidyne Corporation on June 18, 2010, last amended July 21, 2010. Install AFMS 600-00249-000 Rev 01 in POH.
2. See ICA Check List AVDFC-030, Rev: 00, dated 03/08/10 for Instructions for Continued Airworthiness.
3. Reviess Weight and Balance
4. File FAA 337 this date

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: Charles Reiter

Date: 10/08/2010

NO. DATE

AIRFRAME TIME IN SERVICE AVIONICS TIME IN SERVICE

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

C&W Aero Services, Inc. CRS# HX1R208K

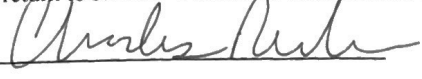
3

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

| | | | |
|----------------|--------------|---------------------|-------------|
| WO # 24584 | Tach: 1065.3 | Aircraft TT: 1065.3 | |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | Model: SR22 |

1. Upgrade EXP5000, PN 700-00006-000 Rev 38 SN 20065118 to software version 8.0.3 P/N 530-00214-002 Rev 03 as per Avidyne Mandatory Service Bulletin 601-00006-105 Rev 00

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: 

Date: 10/08/2010

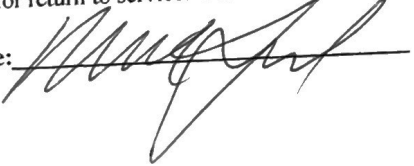
C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

| | | | |
|----------------|---------------|----------------|-------------|
| WO # 25649 | Hobbs: 1169.3 | Aircraft TT: | |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | Model: SR22 |

1. Autopilot gives MSR Fail message on PFD. Install exchange A/P Computer as per Aaron @ Avidyne. New computer P/N 700-00170-000 Rev 00, S/N 1026A73942. Ops checks OK.
Removed S/N 1026A74291.
Warranty Claim # AVI 4546

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: 

Date: 7/14/2011

DATE

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750
An Authorized **Hawker Beechcraft** Service Center

| | | | |
|-----------------------------|------------------------------|---|-------------|
| WO# 26617 Reg. #: N986CD | Hobbs: 1329.3 Ser #: 1862 | Aircraft TT: Manuf: Hawker Beechcraft | Model: SR22 |
|-----------------------------|------------------------------|---|-------------|

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX327 SN: 83723100
 Air Data Computer Make/Model: Avidyne EXP5000 SN: 20065118

Authorized Signature: 

Date: 5/10/2012

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750
An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

| | | | |
|-----------------------------|-----------------------------|-------------------------------|-------------|
| WO# 28717 Reg. #: N986CD | Hobbs: 652.0 Ser #: 1862 | Aircraft TT: Manuf: Cirrus | Model: SR22 |
|-----------------------------|-----------------------------|-------------------------------|-------------|

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX327 SN: 83723100
 Transponder #2 Make/Model: N/A SN: N/A
 Air Data Computer #1 Make/Model: Avidyne EXP5000 SN: 20065118
 Air Data Computer #2 Make/Model: N/A SN: N/A

Authorized Signature: 

Date: 6/17/2014

C&W Aero services Inc.
19 Wright Way, Suite 3
Fairfield, NJ 07004
FAA Repair Station HX1R208K

| Master Reads | Altimeter Reads | |
|--------------|-----------------|-----------|
| | Encodery / 100 | Altimeter |
| -1000 | -10 | - |
| 0 | 0 | -10 |
| 500 | 5 | 480 |
| 1000 | 10 | 985 |
| 1500 | 15 | 1480 |
| 2000 | 20 | 1980 |
| 3000 | 30 | 2980 |
| 4000 | 40 | 3980 |
| 6000 | 60 | 5980 |
| 8000 | 80 | 7980 |
| 10000 | 100 | 9980 |
| 12000 | 120 | 11980 |
| 14000 | 140 | 13970 |
| 16000 | 160 | 15970 |
| 18000 | 180 | 17965 |
| 20000 | 200 | 19960 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |

| Master Reads | Altimeter Reads | |
|--------------|-----------------|-----------|
| | Encodery / 100 | Altimeter |
| -1000 | -10 | -1010 |
| 0 | 0 | -10 |
| 500 | 5 | 490 |
| 1000 | 10 | 1000 |
| 1500 | 15 | 1500 |
| 2000 | 20 | 2000 |
| 3000 | 30 | 3000 |
| 4000 | 40 | 4000 |
| 6000 | 60 | 5990 |
| 8000 | 80 | 7970 |
| 10000 | 100 | 9960 |
| 12000 | 120 | 11960 |
| 14000 | 140 | 13965 |
| 16000 | 160 | 15970 |
| 18000 | 180 | 17980 |
| 20000 | 200 | 20000 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |

Altimeter Make: **Avidyne**
 Altimeter Model: **Exp 5000**
 Altimeter S/N: **20065118**
 Tested By: **Alan**
 Date: **6-17-14** Work Order No. **28606**
 Form No. CWF-013

C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altimeter model 700-0006-000 S/N 20065118 in accordance with FAR Part 43 Appendix E as outlined in 65741

Tables I, II, III, and IV. Altimeter tested to 20,000 ft.

Work Order No. 28605 Date: 06-17-2014

Performed By: 

Form No. CWF-014

C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altimeter model 5934D-3 S/N 451950 in accordance with FAR Part 43 Appendix E as outlined in

Tables I, II, III, and IV. Altimeter tested to 20,000 ft.

Work Order No. 28606 Date: 06-17-2014

DATE

C&W Aero Services, Inc. CRS# HX1R208K
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

| | | | |
|----------------|--------------|----------------|-------------|
| WO # 30252 | Hobbs: 745.1 | Aircraft TT: | Model: SR22 |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | |

1. Remove EX5000 MFD for repair of USB port inop. Reinstall unit after repair at Symetrics Industries.
Confirm all internal settings and post run up check OK on engine gauges.
EX5000 MFD 700-00004-008 S/N 20007426

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: [Signature] Date: 3/27/2016
CRS # HX1R208K

C&W Aero Services, Inc. CRS# HX1R208K
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

| | | | |
|----------------|---------------|----------------|-------------|
| WO# 31505 | Hobbs: 1790.0 | Aircraft TT: | Model: SR22 |
| Reg. #: N986CD | Ser #: 1862 | Manuf.: Cirrus | |

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX327 SN: 83723100
Air Data Computer #1 Make/Model: Avidyne EXP5000 SN: 20065118
1. Altitude encoder is out of spec. Adjust altitude encoder as required to bring into spec.

Authorized Signature: [Signature] Date: 8/10/2017
CRS # HX1R208K

| C&W Aero services Inc. 19 Wright Way, Suite 3 Fairfield, NJ 07004 FAA Repair Station HX1R208K | | Master Reads | | Altimeter Reads | |
|--|---------|---|-----------|-----------------|-----------|
| Master Reads | Encoder | Altimeter | Altimeter | Encoder | Altimeter |
| -1000 | | -1010 | | -10 | |
| 0 | | 0 | | 0 | |
| 500 | | 520 | | 5 | |
| 1000 | | 1020 | | 10 | |
| 1500 | | 1520 | | 15 | |
| 2000 | | 2020 | | 20 | |
| 3000 | | 3020 | | 30 | |
| 4000 | | 4020 | | 40 | |
| 6000 | | 6010 | | 60 | |
| 8000 | | 8000 | | 80 | |
| 10000 | | 9990 | | 100 | |
| 12000 | | 11990 | | 120 | |
| 14000 | | 13990 | | 140 | |
| 16000 | | 16000 | | 160 | |
| 18000 | | 18005 | | 180 | |
| 20000 | | 20030 | | 200 | |
| 22000 | | | | | |
| 25000 | | | | | |
| 30000 | | | | | |
| 35000 | | | | | |
| Altimeter Make: <u>United Inst</u> | | Altimeter Make: <u>Avidyne</u> | | | |
| Altimeter Model: <u>5934D-3</u> | | Altimeter Model: <u>Exp 5000</u> | | | |
| Altimeter S/N: <u>451950</u> | | Altimeter S/N: <u>20065118</u> | | | |
| Tested By: <u>[Signature]</u> | | Tested By: <u>[Signature]</u> | | | |
| Date: <u>8-9-17</u> Work Order No: <u>31393</u> | | Date: <u>8-9-17</u> Work Order No: <u>31392</u> | | | |
| Form No. CWF-013 | | Form No. CWF-013 | | | |

C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altimeter model Exp 5000
S/N 20065118 in accordance with FAR Part 43 Appendix E as outlined in
Tables I, II, III, and IV. Altimeter tested to 20,000 ft.

Work Order No. 31392 Date: 8-9-17
Performed By: [Signature]

Form No. CWF-014

C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altimeter model 5934D-3
S/N 451950 in accordance with FAR Part 43 Appendix E as outlined in
Tables I, II, III, and IV. Altimeter tested to 20,000 ft.

Work Order No. 31393 Date: 8-9-17
Performed By: [Signature]

Form No. CWF-014

C&W Aero Services, Inc. CRS #HX1R208K

I certify that the following tests were performed on Altimeter Model EXP5000

S/N 20065118 in accordance with FAR Part 43 Appendix E as outlined

in Tables I, II, III, and IV. Altimeter tested to 29000 ft.

Work Order # 33283 Date 8-28-19

Performed By: [Signature]

Form#CWF-014

Form#CWF-014

| Master Reads | C&W Aero services, Inc. 19 Wright Way, Suite 3 Fairfield, NJ 07004 FAA Repair Station HX1R208K | |
|---|---|-----------------|
| | Encoder | Altimeter Reads |
| -1000 | | |
| 0 | | -20 |
| 500 | | 480 |
| 1000 | | 980 |
| 1500 | | 1480 |
| 2000 | | 1980 |
| 3000 | | 2980 |
| 4000 | | 3980 |
| 6000 | | 5975 |
| 8000 | | 7975 |
| 10000 | | 9970 |
| 12000 | | 11965 |
| 14000 | | 13965 |
| 16000 | | 15960 |
| 18000 | | 17960 |
| 20000 | | 19960 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |
| Altimeter Make: <u>Avidyne</u> | | |
| Altimeter Model: <u>EXP5000</u> | | |
| Altimeter S/N: <u>20065118</u> | | |
| Tested By: <u>[Signature]</u> Work Order No: <u>33283</u> | | |
| Date: <u>8-28-19</u> | | |
| Form No. CWF-013 | | |

Todd Adams

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

| | | | |
|----------------|--------------|---------------|-------------|
| WO# 33249 | Hobbs: 886.6 | Aircraft TT: | |
| Reg. #: N986CD | Ser #: 1862 | Manuf: Cirrus | Model: SR22 |

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX335

SN: 3EF001654

Air Data Computer #1 Make/Model: Avidyne EXP5000

SN: 20065118

Authorized Signature: [Signature]

CRS# HX1R208K

Date: 8/28/2019

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|------|--------------------------|--------------------------|---|
|------|--------------------------|--------------------------|---|

Page No.

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 4994 19-September-2017 WO# 22385
N986CD S/N 1862 CIRRUS DESIGN CORP. SR22

Pg 1 / 1

Validated that the previous installation of a Garmin GNS430 installed IAW with Garmin instructions and was approved for GPS IFR Enroute, Terminal, & Non-Precision Approach operations. Verified this aircraft and all interfaced equipment are covered under the AML for STC# SA01933LA and Garmin 400W/500W series Upgrade Manual p/n 190-00357-06 Rev. B (or later) per TSO-C146A. The GNS430 was removed and sent to Garmin for upgrade. Had GA56 Antenna removed and Cirrus WAAS Antenna Kit installed by Advanced Aircraft Services The existing location of this GNS430W was found to be outside prescribed "Acceptable View" however Avidyne PFD provides required annunciation. Verified any new interfaces to be in compliance with the Garmin 400W Series Installation Manual p/n 190-00356-02 Rev. B (or later) and operating as intended. Inserted new GNS430W Flight Manual Supplement FAA Approved date into Aircraft Flight Manual. Updated the aircraft Equipment List. Inserted Garmin GTX327 Transponder. Installed Garmin GTX335 Transponder and Comant C1105-9 records. Removed Garmin GTX327 Transponder. Installed Garmin GTX335 Transponder and Comant C1105-9 antenna IAW AC43.13-1B/-2B Chapters 2 & 3, and appropriate manufacturer's installation manuals. accomplished IAW AC43.13-1B/-2B Chapters 2 & 3, and appropriate manufacturer's installation manuals. GTX335 system was functionally tested and was found to perform its intended function with no adverse effects on other aircraft systems. TESTED GARMIN GTX335 TRANSPONDER FOR ADS-B COMPLIANCE. SYSTEM WAS FOUND TO COMPLY WITH AC20-165 and 14 CFR 91.225 & 91.227. All wiring/cabling used for installation purposes meets or exceeds the following specifications: (M17/29, and/or M17/60) - coax; (M22759, M27500, and/or M81044) - wire. All circuit breakers used for installation purposes were of the Klixon, Potter/Brumfield, and/or Mechanical Products variety. All of the above installed equipment was functionally tested and was found to perform its intended function with no adverse effects on other aircraft systems. weight and balance change negligible. Equipment list revised.

APPLICABLE AIRWORTHINESS DIRECTIVES

ADS PERMANENTLY COMPLIED WITH

ADS REQUIRING ADDITIONAL COMPLIANCE

MAJOR REPAIR & ALTERATION FORMS (FAA FORM 337)

| Master Reads | Altimeter Encoder | Altimeter Reads |
|--------------|-------------------|-----------------|
| -1000 | | -1010 |
| 0 | | 5 |
| 500 | | 510 |
| 1000 | | 1020 |
| 1500 | | 1520 |
| 2000 | | 2020 |
| 3000 | | 3020 |
| 4000 | | 4020 |
| 6000 | | 6010 |
| 8000 | | 7995 |
| 10000 | | 9980 |
| 12000 | | 11990 |
| 14000 | | 13990 |
| 16000 | | 16000 |
| 18000 | | 18010 |
| 20000 | | 20020 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |

Altimeter Make: United Inst.
 Altimeter Model: 5934D-3
 Altimeter S/N: 451950
 Tested By: [Signature]
 Date: 8-28-19 Work Order: 33284
 Form No. CWF-013

PERFORMED - PERSON PERFORMING WORK

C&W Aero Services, Inc. CRS #HX1R208K

I certify that the following tests were performed on Altimeter Model 5934D-3
 S/N 451950 in accordance with FAR Part 43 Appendix E as outlined
 in Tables I, II, III, and IV. Altimeter tested to 20,000 ft.
 Work Order # 33284 Date 8-28-19
 Performed By: [Signature] Form#CWF-014

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 6346 29-May-2020 WO# 25078/1 AC TT 1888.3 HOBBS 1888.3
N986CD S/N 1862 CIRRUS DESIGN CORP. SR22
FLIGHT HOBBS 891.6 Pg 1 / 1

25078-1 REPAIR AVIDYNE PFD ****
 DISCREPANCY: DISPLAY INTERMITTENTLY FLICKERS OR WILL GO BLANK.
 ACTION: REMOVED, SENT OUT FOR REPAIR AND REINSTALLED REPAIRED AVIDYNE EXP5000 PFD, S/N 20065118.
 CONFIGURATION SETTINGS AND PERFORMED STATIC SYSTEM LEAK CHECK. LEAK CHECK PASSES AT 14FPM
 AGL.

25078-2 REPAIR XMWX ****
 XMWX MOST OF THE TIME, HAS VERY WEAK SIGNAL.
 ACTION: SENT OUT FOR REPAIR AND REINSTALLED REPAIRED HEADS UP TECHNOLOGIES XMD076A-1 XM
 816000413. ALL OPS CHECKS OK.

25078-3 SOFTWARE ****
 UPDATE SOFTWARE
 GARMIN SB'S 1967B AND 1985A BY UPDATING GTX335 TRANSPONDER, S/N 3EE001654 MAIN AND ADS-B
 FROM 2.05/2.10 TO 2.54/3.13 RESPECTIVELY. C/W GARMIN SB1766A BY UPDATING #1 GNS430W (IN
 SOFTWARE FROM 5.30 TO 5.40. WAAS SOFTWARE IS ALREADY CURRENT AT VER. 5.0. #2 GNS430 IS
 AND IS AT CURRENT SOFTWARE LEVEL. ALL OPS CHECKS OK.

[Signature]
ANDREW W. KNOWLTON

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 6365 18-June-2020 WO# 25137/1 AC TT 1889.2 HOBBS 1889.2
N986CD S/N 1862 CIRRUS DESIGN CORP. SR22
FLIGHT HOBBS 891.6 Pg 1 / 1

**** ITEM # 25137-1 REPAIR EXP5000 PFD - AVIDYNE WARRANTY ****
 DISCREPANCY: DISPLAY INTERMITTENTLY FLICKERS. RECENTLY REPAIRED FOR SAME PROBLEM.
 Model: EXP5000 Part#: 700-00006-000 Serial#: 20065118
 ACTION: VERIFIED SQUAWK; REMOVED FAULTY AVIDYNE EXP5000 PFD, S/N 20065118 AND INSTALLED WARRANTY
 EXCHANGE EXP5000 PFD, S/N D1318. PERFORMED MAGNETOMETER CALIBRATION. ALL OPS CHECKS OK. STATIC
 SYSTEM LEAK CHECK PASSES @14 FPM LEAK @ 1000 FT. AGL.

**** ITEM # 25137-2 REPAIR DFC90 AP - AVIDYNE WARRANTY ****
 DISCREPANCY: INTERMITTENTLY DISPLAYS MSR FAILURE ON PFD.
 Model: DFC90 Part#: 700-00170-000 Rev 00 Serial#: 1026A73942
 ACTION: REMOVED DFC90 AUTOPILOT, S/N 1026A73942 AND INSTALLED WARRANTY EXCHANGE DFC90, S/N
 M103415123. ALL OPS CHECKS OK.

[Signature]
ANDREW W. KNOWLTON

DATE

AIRFRAME
TIME
IN
SERVICEAVIONICS
TIME
IN
SERVICEDESCRIPTION OF WORK PERFORMED -
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 6409 31-July-2020 WO# 25236/1 AC TT 1902.4 HOBBS 1902.4
N986CD S/N 1862 CIRRUS DESIGN CORP. SR22
FLIGHT HOBBS 901.3

Pg 1 / 1

**** ITEM # 25236-1 REPAIR TRAFFIC DISPLAY ON GNS430 ****
DISCREPANCY: TRAFFIC IS NOT BEING DISPLAYED PROPERLY ON GNS430 SINCE LAST REPAIR SERVICE.
ACTION: REPAIRED TRAFFIC DISPLAY ON #2 GNS430 BY PERFORMING MASTER CLEAR FUNCTION. HAD BEEN
ERRONEOUSLY DISPLAYING UNSTABLE VECTOR TRACK LINES ON TRAFFIC TARGETS. VECTOR TRACK LINES ARE NOT
AVAILABLE WITH SKYWATCH TRAFFIC SYSTEM. ALL OPS CHECKS OK.

**** ITEM # 25236-2 PFD ATTITUDE NOSE HIGH IN LEVEL FLIGHT ****
DISCREPANCY: PFD ATTITUDE DISPLAYS ABOUT 1 DEGREE NOSE HIGH IN LEVEL FLIGHT.
ACTION: PER CUSTOMER REQUEST RECALIBRATED AVIADYNE PFD PITCH 1 DEGREE LOWER. PERFORMED REQUIRED
MAGNETOMETER CALIBRATION. ALL OPS CHECKS OK.

Andrew W. Knowlton

ANDREW W. KNOWLTON

C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Service Center For: **Beechcraft, Mooney Aircraft & Piper**

| | | | |
|----------------|--------------|---------------|-------------|
| WO# 34871 | Hobbs: 917.9 | Aircraft TT: | |
| Reg. #: N986CD | Ser #: 1862 | Manuf: Cirrus | Model: SR22 |

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX335

SN: 3EE001654

Air Data Computer #1 Make/Model: Avidyne EXP5000 PFD

SN: D1318

C&W Aero services Inc.
19 Wright Way, Suite 3
Fairfield, NJ 07004
FAA Repair Station HX1R208K

Signature: *Andrew W. Knowlton*

CRS # HX1R208K

Date: 4/6/2022

C&W Aero services Inc.
19 Wright Way, Suite 3
Fairfield, NJ 07004
FAA Repair Station HX1R208K

| Master Reads | Altimeter Reads | |
|--------------|-----------------|-----------|
| | Encoder | Altimeter |
| -1000 | | |
| 0 | | -10 |
| 500 | | 490 |
| 1000 | | 990 |
| 1500 | | 1490 |
| 2000 | | 1990 |
| 3000 | | 2990 |
| 4000 | | 3990 |
| 6000 | | 5985 |
| 8000 | | 7985 |
| 10000 | | 9985 |
| 12000 | | 11985 |
| 14000 | | 13980 |
| 16000 | | 15975 |
| 18000 | | 17970 |
| 20000 | | 19970 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |

C&W Aero Services, Inc. CRS #HX1R208K

I certify that the following tests were performed on Altimeter Model 5934D-3S/N D1318 in accordance with FAR Part 43 Appendix E as outlinedin Tables I, II, III, and IV. Altimeter tested to 20,000 ft.Work Order # 34871 Date 4-6-22Performed By: *Andrew W. Knowlton*

Form# CWF-014

C&W Aero Services, Inc. CRS #HX1R208K

I certify that the following tests were performed on Altimeter Model 5934D-3S/N 451950 in accordance with FAR Part 43 Appendix E as outlinedin Tables I, II, III, and IV. Altimeter tested to 29,000 ft.Work Order # 34871 Date 4-6-22Performed By: *Andrew W. Knowlton*

Form# CWF-014

Altimeter Make: Avidyne
Altimeter Model: Exp5000
Altimeter S/N D1318
Tested By: *Andrew W. Knowlton*
Date 4-6-22 Work Order No 34871
Form No. CWF-013

| Master Reads | Altimeter Reads | |
|--------------|-----------------|-------|
| | Encoder | Alt |
| -1000 | | -10 |
| 0 | | 10 |
| 500 | | 510 |
| 1000 | | 1020 |
| 1500 | | 1530 |
| 2000 | | 2040 |
| 3000 | | 3050 |
| 4000 | | 4060 |
| 6000 | | 6005 |
| 8000 | | 7995 |
| 10000 | | 9995 |
| 12000 | | 11995 |
| 14000 | | 14000 |
| 16000 | | 16000 |
| 18000 | | 18010 |
| 20000 | | 20025 |
| 22000 | | |
| 25000 | | |
| 30000 | | |
| 35000 | | |

Altimeter Make: United Inst
Altimeter Model: 5934D-3
Altimeter S/N: 451950
Tested By: *Andrew W. Knowlton*
Date 4-6-22 Work Order No 34871
Form No. CWF-013

APPLICABLE AIRWORTHINESS
DIRECTIVESADS PERMITS
COMPLETEDCERTIFICATE
APPROVAL TAG

19 Wright Way Ste #3

9. Qty. 10. S

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IV

43.9 Return to Ser
Unless otherwise sp
described in Block 1
tions, part 43 and
return to service.

Signature:

3025 (or Printed)
Rogge

20025